

WE CLAIM:

1 1. A sculling apparatus for propelling a boat through a body of water, the boat having
a generally vertical and rigid surface with a top edge along the boat's perimeter, the
3 apparatus comprising

a vertical stock with an upper end and a lower end, the vertical stock centered
5 about a vertical axis;

a mounting means supporting the vertical stock for radial movement about
7 the vertical axis and providing removable attachment of the vertical stock to the rigid
vertical surface of the boat;

9 an actuating means enabling a human to impart radial movement to the
vertical stock about the vertical axis, the actuating means pivotably connected about a first
11 horizontal axis to the upper end, wherein the actuating means may be pivoted from a first
position for operational deployment to a second position generally adjacent to the vertical
13 stock for compact storage when not operationally deployed; and

a propulsion means attached to the lower end, the propulsion means
15 pivotable about a second horizontal axis, wherein the propulsion means may be pivoted
from a third position for operational deployment to a fourth position generally adjacent to
17 the vertical stock for compact storage when not operationally deployed.

1 2. The apparatus described in Claim 1, wherein the actuating means is a tiller and the
first position comprises the extension of the tiller in a generally perpendicular orientation
3 from the upper end of the vertical stock.

1 3. The apparatus described in Claim 1, wherein the mounting means comprises a
clamp for removable attachment of the apparatus to the top edge of the vertical surface.

- 1 4. The apparatus described in Claim 1, wherein the mounting means comprises a set
3 of pintles spaced for removable insertion into a set of gudgeons fixed to the vertical
surface.
- 1 5. The apparatus described in Claim 1, wherein the vertical surface is the transom of
the boat.
- 1 6. The apparatus described in Claim 1, wherein the apparatus further comprises a
displacement control means for selectively adjusting the depth of the lower end beneath
3 a surface of the body of water when the apparatus is mounted on the boat.
- 1 7. The apparatus described in Claim 6, wherein the displacement control means
comprises a bushing receiving the vertical stock inserted therethrough, the bushing
3 adjustably secured to the vertical stock and supported by the mounting means between a
pair of stops on the mounting means, wherein the bushing, when the bushing is adjustably
5 secured to the vertical stock, moves radially when the vertical stock moves radially but
prevents the vertical stock from being raised or lowered with respect to the mounting
7 means.
- 1 8. The apparatus described in Claim 1, wherein the propulsion means is a fin vertically
held by the vertical stock, the third position for operational deployment comprising the
3 extension of the fin from the lower end in an orientation generally perpendicular to the
vertical stock.
- 1 9. The apparatus described in Claim 8, wherein the fin is comprised of a plurality of
panels, each panel pivoting about the second horizontal axis.

1 10. The apparatus described in Claim 8, wherein the fin is comprised of an upper panel
and a lower panel, each panel having a flexible end and a stiff end, the stiff ends pivoting
3 about the second horizontal axis.

1 11. The apparatus described in Claim 10, wherein the fin is comprised of a resilient
material.

1 12. The apparatus described in Claim 11, wherein the resilient material is selected from
a group consisting of rubber, polyethylene, polypropylene, and wood.

1 13. The apparatus described in Claim 8, wherein the propulsion means is attached to
the vertical stock by a bracket comprising two parallel plates extending from the vertical
3 stock in a generally perpendicular orientation, the second horizontal axis passing through
the two parallel plates so that the propulsion means is frictionally captured therebetween
5 when pivotably rotated about the second horizontal axis.

1 14. The apparatus described in Claim 13, wherein the two parallel plates further
comprise a step means.

1 15. The apparatus described in Claim 14, wherein the step means comprises a
horizontal flange along the upper extent of each of the two parallel plates, the flanges
3 extending in opposite directions to allow the propulsion means to unimpededly move from
the third position to the fourth position therebetween.

1 16. A sculling apparatus for propelling a boat through a body of water, the boat having
a generally vertical surface with a top edge, the apparatus comprising
3 a vertical stock with an upper end and a lower end, the vertical stock centered
about a vertical axis;

5 a tiller pivotably connected about a first horizontal axis to the upper end, the
tiller pivotable from a first position for operational deployment to a second position generally
7 adjacent to the vertical stock for compact storage when not operationally deployed, the first
position orienting the tiller in a horizontal plane generally perpendicular to the vertical shaft
9 so that radial tiller movement imparts radial movement to the vertical stock about the
vertical axis;

11 a flexible fin captured between two parallel plates fixedly attached to the lower
end and extending in a generally perpendicularly from the lower end, the fin pivotably
13 attached about a second horizontal axis passing through the plates so that the plates
frictionally capture the fin therebetween, wherein the fin may be pivoted from a third
15 position for operational deployment to a fourth position generally adjacent to the vertical
stock for compact storage when not operationally deployed; and

17 a mounting assembly supporting the vertical stock, the mounting assembly
comprising a clamp for removably attaching the vertical stock to an upper edge of a rigid
19 surface of the boat, the clamp permitting radial movement of the vertical stock about the
vertical axis, the mounting assembly further comprising a bushing through which the
21 vertical stock passes, the bushing adjustably attached to the vertical stock to allow selective
displacement of the lower end of the vertical stock.